

What is claimed is:

- 5 1. A human endothelin receptor comprising amino acid sequence from Asp at +1 to Asn at +407 shown in SEQ ID NO: 1.
- 10 2. A human endothelin receptor comprising amino acid sequence from Met at -20 to Asn at +407 shown in SEQ ID NO: 1.
- 15 3. A DNA sequence encoding the human endothelin receptor according to claim 1.
- 20 4. A DNA sequence according to claim 3, comprising a nucleic acid sequence from G at 545 to C at 1765 shown in SEQ ID NO: 1.
- 25 5. A DNA sequence according to claim 3, comprising a nucleic acid sequence from A at 485 to C at 1765 shown in SEQ ID NO: 1.
- 30 6. A DNA sequence according to claim 3, comprising a nucleic acid sequence from G at 1 to T at 4105 shown in SEQ ID NO: 1.
7. A human endothelin receptor comprising amino acid sequence from Glu at +27 to Ser at +442 shown in SEQ ID NO: 2.
8. A human endothelin receptor comprising amino acid sequence from Met at +1 to Ser at +442 shown in SEQ ID NO: 2.
9. A DNA sequence encoding the human endothelin receptor according to claim 7.

10. A DNA sequence according to claim 9, comprising a nucleic acid sequence from G at 316 to T at 1563 shown in SEQ ID NO: 2.
- 5 11. A DNA sequence according to claim 9, comprising a nucleic acid sequence from A at 238 to T at 1563 shown in SEQ ID NO: 2.
- 10 12. A DNA sequence according to claim 9, comprising a nucleic acid sequence from G at 1 to A at 4301 shown in SEQ ID NO: 2.
- 15 13. An expression vector comprising the DNA sequence according to claim 3.
14. An expression vector according to claim 13, which is CDM8-phETIR.
- 20 15. A transformant obtained by introducing the expression vector according to claim 13 into a host cell.
16. A transformant according to claim 15, wherein the host cell is a COS-7 cell.
- 25 17. A method for producing a human endothelin receptor comprising culturing the transformant according to claim 15 and recovering a produced endothelin receptor.
- 30 18. An expression vector comprising the DNA sequence according to claim 9.
19. An expression vector according to claim 18, which is CDM8-pHETBR.

20. A transformant obtained by introducing the expression vector according to claim 18 into a host cell.

5 21. A transformant according to claim 20, wherein the host cell is a COS-7 cell.

22. A method for producing a human endothelin receptor comprising culturing the transformant according to claim 20 and recovering a produced endothelin receptor.